Index of Claims

| App | lication | /Contro | l No |
|-----|----------|---------|------|
|-----|----------|---------|------|

10/767,640 Examiner

Applicant(s)/Patent under Reexamination

WATANABE ET AL. Art Unit

Joseph Schell

2114

| Х | Rejected |
|----|----------|
| 11 | Allowed |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α 0 Objected

| Cla | nim | Date | | | | | | | | _ | |
|-------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------|------------|--------------|--------------------|----------|----------|----------|----------|--|
| J16 | 1 | | | | | | | | | | |
| Final | Original | 9/18/06 | | | | | | | | | |
| | 1 2 3 4 5 | Х | | | | | • | | | | |
| | 2 | × × × × × × × | | | | | | | | | |
| | _ 3 | Х | | | | L. | | | | | |
| | 4 | Х | | _ | | | | | | | |
| | 5 | Х | | | | $oxed{oxed}$ | | | | | |
| | 6 7 | Х | | _ | _ | <u> </u> | | | | | |
| | 7 | X | | _ | _ | _ | | | | \vdash | |
| | 8 9 10 | X | | | _ | \vdash | | _ | | Ш | |
| | 10 | Ž | \vdash | _ | - | \vdash | | | | - | |
| | 11 | ÷ | _ | _ | ⊢ | \vdash | _ | | | \vdash | |
| | 12 | ÷ | - | ┝ | \vdash | \vdash | | | | \vdash | |
| | 13 | x | - | ├─ | \vdash | \vdash | | | | Н | |
| | 14 | X | \vdash | \vdash | \vdash | - | | Н | - | \vdash | |
| | 15 | X | | \vdash | - | | \vdash | | \vdash | \vdash | |
| | 16 | х | | Г | Г | | | _ | _ | П | |
| | 17 | х | | Г | Т | | | | | П | |
| | 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 | X X X X X X X X | | | Γ | | | | | | |
| | 19 | Х | | Г | | | | | | | |
| | 20 | Х | | | | | | | | | |
| | 21 | X X X | | | | | | | | | |
| | 22 | Х | | | | | ĺ | | | | |
| | 23 | X | | | | | | | | | |
| | 24 | | | _ | | | | | | _ | |
| | 25 | | | | | | | _ | | | |
| | 26 | _ | | _ | <u> </u> | | | | | <u> </u> | |
| | 27 | - | _ | _ | _ | _ | _ | | | \vdash | |
| | 28 | - | - | <u> </u> | - | | - | - | | <u> </u> | |
| | 20 | - | | - | - | - | \vdash | | | - | |
| | 31 | - | | - | - | - | - | \vdash | - | ┝┈ | |
| | 32 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | _ | \vdash | |
| | 33 | \vdash | | \vdash | \vdash | - | - | | - | \vdash | |
| | 33 34 35 | <u> </u> | | ┢ | - | H | \vdash | \vdash | | | |
| | 35 | - | | \vdash | | | H | | | | |
| | 36 | | | | | Г | | | | П | |
| | 36 37 | | | | | | | | | | |
| | 38 | | | | | | | | | | |
| | 39 | | | | | | | | | | |
| | 40 | 匚 | | | | | | | | | |
| | 41 | _ | Ш | L | L | $oxedsymbol{oxed}$ | <u> </u> | _ | | _ | |
| | 42 | | <u> </u> | _ | L | _ | | | | | |
| | 43 | <u> </u> | <u> </u> | lacksquare | _ | <u> </u> | <u> </u> | <u> </u> | | _ | |
| | 44 | <u> </u> | | ⊢ | | | <u> </u> | _ | <u> </u> | <u> </u> | |
| | 45 | <u> </u> | | <u> </u> | \vdash | _ | <u> </u> | <u> </u> | <u> </u> | | |
| | 46 | - | Ŀ | \vdash | - | - | - | \vdash | <u> </u> | | |
| | 47 48 | <u> </u> | | | | - | <u> </u> | - | - | - | |
| | 48 | - | - | | \vdash | - | - | ├ | - | | |
| - | 50 | ┝ | \vdash | \vdash | \vdash | \vdash | ⊢ | \vdash | - | \vdash | |
| | JU | | | ı | | | | | | | |

| Cla | im | | | | - | Date | | _ | | | 1 | Cla | im | | | | | Date | e | | | |
|-------|----------|--------------|--------------|--------------------------------------------------|--------------------------------------------------|----------|--------------|----------------|----------|----------------|---|-------|----------|----------|----------|---|--------------|--------------|--------------------------------------------------|--------------|----------|-----------------|
| | | | Г | Г | П | ٦ | Γ | Г | Π | | | | | | 1 | | _ | <u> </u> | | <u> </u> | | \sqcap |
| Final | Original | 9/18/06 | | | | | | | | | | Final | Original | | | | | | | | | |
| | 1 | Х | <u> </u> | - | - | | - | - | - | - | | | 51 | Н | | | | | | | \vdash | $\vdash \vdash$ |
| | 2 | x | ┝ | \vdash | ⊢ | ┢ | ┝ | - | \vdash | - | | | 52 | Н | - | | | | ┝ | | Н | \vdash |
| | 3 | x | ┝ | | ⊢ | ⊢ | \vdash | ⊢ | ⊢ | \vdash | | _ | 53 | Н | \dashv | | | | ├ | | \vdash | Н |
| | 4 | x | | - | | ┝ | | - | | - | | | 54 | \vdash | - | _ | _ | ┝ | ├— | ⊢ | \vdash | Н |
| | 5 | x | | <u> </u> | H | ┝ | _ | | <u> </u> | \vdash | | | 55 | Н | - | | | - | ├ | | Н | Н |
| | 6 | | <u> </u> | \vdash | \vdash | \vdash | | - | ⊢ | - | | | 55 | - | - | | | - | _ | - | \vdash | Н |
| | 7 | X | ┝ | | ⊢ | - | | ├ | | - | | | 56 | Н | | | _ | <u> </u> | <u> </u> | ⊢ | H | Н |
| | | X | _ | | | \vdash | \vdash | - | ⊢ | | | | 57 | | | | | | | - | - | |
| | 8 9 | X | <u> </u> | \vdash | | | | - | | H | | | 58 | | | | | _ | <u> </u> | <u> </u> | \vdash | \vdash |
| | 10 | X | <u> </u> | _ | - | ┢ | - | | | - | | | 59 | - | | | _ | | ┝ | ⊢ | \vdash | \vdash |
| | | | <u> </u> | | H | \vdash | ⊢ | ├ | \vdash | \vdash | | | 60 | Н | \dashv | | | - | | - | \vdash | \vdash |
| | 11 12 | X | <u> </u> | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | | | 61 62 | Н | \dashv | | - | | | | \vdash | $\vdash\vdash$ |
| | 13 | X | | ├ | \vdash | + | \vdash | \vdash | \vdash | \vdash | | | 63 | Н | | | | \vdash | | \vdash | \vdash | $\vdash\vdash$ |
| | 14 | X | \vdash | \vdash | \vdash | \vdash | \vdash | ├- | - | \vdash | | | | \vdash | - | | | ├- | ├- | - | Н | Н |
| | 15 | X | \vdash | \vdash | - | \vdash | - | | - | - | | | 64 65 | \vdash | | | <u> </u> | <u> </u> | <u> </u> | \vdash | ├ | Н |
| | 16 | | <u> </u> | \vdash | - | ├ | - | ├— | - | \vdash | | | | - | - | | | | \vdash | - | \vdash | Н |
| | 17 | X | <u> </u> | \vdash | \vdash | ₩ | ⊢ | \vdash | ⊢ | \vdash | | | 66 67 | Н | - | | | - | | - | \vdash | ┝┵ |
| | 18 | X | - | | - | ├ | | - | | - | | | | \vdash | - | | | | <u> </u> | | — | \vdash |
| | 19 | X | - | \vdash | - | ┼ | \vdash | - | ⊢ | \vdash | | | 68 | | | | _ | | - | - | | $\vdash \vdash$ |
| | | | | \vdash | ⊢ | ┝ | | - | - | H | | | 69 | Н | | | | H | - | - | Н | \vdash |
| | 20 | X | | <u> </u> | ⊢ | ╁ | _ | - | - | - | | | 70 | Н | | | - | | | | | Н |
| | 21 | X | <u> </u> | ⊢ | ⊢ | ├- | _ | <u> </u> | - | ⊢ | | | 71 | Н | | | _ | - | | | _ | \dashv |
| _ | 22 23 | X | - | | ├ | - | - | — | _ | - | | | 72 | _ | | | | _ | <u> </u> | - | | \vdash |
| | | ^ | | _ | ⊢ | - | | - | ⊢ | | | | 73 74 | - | | | | | _ | | | Н |
| | 24 25 | | <u> </u> | <u> </u> | ⊢ | ├ | ⊢ | ⊢ | ├ | ┝ | | | 75 | \vdash | | | - | - | | | <u> </u> | $\vdash\vdash$ |
| | 26 | <u> </u> | | - | | - | - | ├ | - | - | | | 76 | Н | - | | | | - | | | Н |
| | 27 | | - | H | ⊢ | H | | ļ | H | ⊢ | | | 77 | Н | _ | | ⊢ | ┝ | | - | - | \vdash |
| | 28 | ├- | - | ⊢ | ┢ | ┢ | H | ┢ | H | \vdash | | | 78 | Н | | - | | ⊢ | - | | \vdash | Н |
| _ | 29 | ┝ | - | \vdash | ┢ | ╁ | | - | - | - | | | 79 | \vdash | - | | | ├ | - | - | \vdash | \vdash |
| | 30 | ├ | - | - | ├ | ╁ | ⊢ | ├ | ┢ | - | | | 80 | \vdash | _ | | | - | - | | - | Н |
| | 31 | - | - | _ | ├- | ┢ | | ⊢ | ⊢ | - | | | | Н | _ | | - | ⊢ | | | \vdash | \vdash |
| - | 37 | \vdash | - | - | \vdash | + | - | \vdash | \vdash | - | | | 81 82 | Н | | | | - | - | - | \vdash | \vdash |
| _ | 32 | - | - | - | \vdash | - | - | - | - | \vdash | | | 02 | \vdash | | | - | - | - | - | - | $\vdash\vdash$ |
| | 33 34 | - | - | | | ├- | \vdash | | - | - | | | 83 84 | \vdash | - | | <u> </u> | - | | | - | \vdash |
| | 35 | | <u> </u> | | ├ | ┼ | \vdash | \vdash | ⊢ | \vdash | | | 85 | Н | \vdash | | <u> </u> | ⊢ | - | - | \vdash | Н |
| | 36 | | <u> </u> | - | | + | - | ├- | \vdash | \vdash | | | 86 | \vdash | - | | _ | - | \vdash | - | \vdash | Н |
| | 37 | | - | \vdash | - | - | - | \vdash | \vdash | \vdash | | | 87 | \vdash | \dashv | _ | - | \vdash | \vdash | - | - | $\vdash\vdash$ |
| - | 38 | - | \vdash | \vdash | \vdash | ╁ | \vdash | +- | - | ├— | | | 88 | \vdash | - | | - | - | - | | \vdash | \vdash |
| | 39 | - | ⊢ | \vdash | ⊢ | ₩ | - | ├— | ├ | ├- | | | 89 | - | - | | | - | | - | \vdash | $\vdash \vdash$ |
| | 40 | - | | \vdash | \vdash | ╁ | ⊢ | +- | - | \vdash | | | 90 | - | - | | - | - | | - | \vdash | \vdash |
| - | | \vdash | - | - | | \vdash | ╢ | - | \vdash | - | | | | - | - | | | - | \vdash | \vdash | - | \vdash |
| | 41 | \vdash | \vdash | \vdash | \vdash | \vdash | - | ├ | - | - | | | 91 | \vdash | \vdash | | - | \vdash | \vdash | \vdash | H | Н |
| - | 43 | ┢ | ┢ | ┢ | ╁ | ╁ | \vdash | \vdash | \vdash | \vdash | | | 93 | H | - | _ | - | \vdash | \vdash | \vdash | H | $\vdash\vdash$ |
| - | 44 | \vdash | \vdash | \vdash | ┼- | \vdash | \vdash | | | \vdash | | | 94 | Н | | | <u> </u> | - | | \vdash | H | $\vdash \vdash$ |
| | 45 | \vdash | - | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | | | 95 | \vdash | - | | \vdash | ├ | - | ⊢ | \vdash | \vdash |
| _ | 46 | - | - | ╁ | \vdash | +- | - | + | - | | | | 96 | \vdash | - | | | ├─ | - | ├ | ⊢ | Н |
| | 47 | - | Ľ | \vdash | ├- | \vdash | - | \vdash | ├- | - | | | 97 | \vdash | - | | | ├─ | ├ | ╁ | ┢╾┤ | $\vdash \vdash$ |
| - | 48 | - | - | - | | - | \vdash | - | ┼- | | | | 98 | \vdash | \vdash | | - | ├ | ├— | \vdash | ⊢ | \vdash |
| | 49 | ├- | - | | \vdash | \vdash | \vdash | - | \vdash | ├ | | | 99 | \vdash | \vdash | _ | - | \vdash | - | | ⊢ | $\vdash\vdash$ |
| | 50 | ⊢ | - | \vdash | \vdash | ⊢ | ⊢ | - | - | - | | | 100 | \vdash | - | _ | \vdash | \vdash | | ├- | \vdash | \vdash |
| | 50 | | Ц | L | <u> </u> | <u></u> | L | Щ | Ь | L | J | L | 100 | | ш | | <u> </u> | | Щ. | <u> </u> | | L |

| Cla | | | | | _ | >-4- | _ | | | _ |
|-------|------------------------------------------------------|--------------|--------------------------------------------------|----------|--------------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|----------|
| Cli | 1 | | | | | Date | • | | _ | - |
| Final | Original | | | | | | | | | |
| | 101 | | - | \vdash | | | _ | - | | Н |
| | 101 102 | | | - | _ | - | | | | Н |
| | 102 | | - | - | _ | | | | _ | Н |
| | 103 104 105 | _ | - | | _ | _ | | | | H |
| | 105 | | - | | | _ | _ | - | - | \vdash |
| | 106 | | - | | | _ | | - | _ | \vdash |
| | 107 | | _ | | | _ | | | | Н |
| | 106 107 108 | | | | | _ | | | _ | Н |
| | 109 | | | | П | - | _ | | | Н |
| - | 109 110 | | | | | | _ | | | |
| | 111 112 113 | | | | | | | | | П |
| | 112 | | | | | | | | | П |
| | 113 | | | | | | | | | П |
| | 114 115 | | | | | | | | | |
| | 115 | | | | | | | | | |
| | 116 | | | | | | | | | |
| | 117 | | | | | | | | | |
| | 118 | | | | | | | | | |
| | 119 | | | | | | | | | |
| | 120 | | | | | | | | | |
| | 121 | | | | | | | | _ | |
| | 117 118 119 120 121 122 123 124 | L | | _ | L | | | | | Ш |
| | 123 | _ | _ | | | _ | _ | _ | | |
| | 124 | _ | | | <u> </u> | | | | <u> </u> | |
| | 125 | _ | <u> </u> | _ | | _ | | | _ | Ш |
| | 126 | _ | | _ | - | _ | | | <u> </u> | |
| | 125 126 127 128 129 130 131 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | _ | | <u> </u> | \vdash |
| | 128 | | - | _ | <u> </u> | - | | _ | <u> </u> | Н |
| | 129 | _ | \vdash | - | | | | _ | ├ | \vdash |
| | 130 | _ | - | - | - | - | | | \vdash | Н |
| | 132 | - | | | ├- | | | - | - | H |
| | 132 | | - | <u> </u> | | ┝ | | | ├ | Н |
| | 133 134 | | - | | ├─ | - | | \vdash | - | Н |
| | 135 | - | | | | - | - | - | - | \vdash |
| | 136 | | \vdash | \vdash | \vdash | - | | - | - | H |
| | 136 137 | \vdash | \vdash | \vdash | \vdash | | \vdash | \vdash | _ | \vdash |
| | 138 | \vdash | | _ | \vdash | \vdash | - | | \vdash | Н |
| | 138 139 140 | \vdash | | | \vdash | _ | <u> </u> | _ | | Н |
| | 140 | \vdash | | _ | \vdash | \vdash | Г | \vdash | <u> </u> | Н |
| | 141 | Г | | Ι | \vdash | | | \vdash | | П |
| - | 142 | | <u> </u> | Γ | | | | | | П |
| | 143 | | | | | | | | | |
| | 144 | | | | L | | | L | | |
| | 145 | | Ĺ | | | | | | | |
| | 146 | | | | | | | | | |
| | 147 | | | | | | | | | |
| | 148 | | | | · | | | | | |
| | 149 | | | | | | | | | |
| | 150 | | | | | | | | | |
| | | | | | | | | | | |